

MATERIAL SAFETY DATA SHEET

E/M CORPORATION
U.S. HWY. 52 NW, BOX 2200
WEST LAFAYETTE, IN 47906 USA
(317)463-2511

SECTION I

IDENTITY (AS USED ON LABEL): EVERLUBE 620C RTA
CHEMICAL NAMES AND SYNONYMS: Bonded Solid Film Lubricant (10-103)
CHEMICAL FAMILY: Not applicable.
FORMULA: Complex Mixture
DATE PREPARED: 1/4/89 REV.II
INFORMATION OR EMERGENCY PHONE NO.: 317/463-2511
PREPARED BY: CHEMICAL COMMUNICATIONS PURCHASING COORDINATOR
E/M CORPORATION, BOX 2200, WEST LAFAYETTE, IN 47906

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

HEALTH:	2
FLAMMABILITY:	3
REACTIVITY:	0
SPECIAL NOTICE:	-

SECTION II - HAZARDOUS COMPONENTSCONCENTRATIONS

Molybdenum Disulfide (CAS #1317-33-5)		
ACGIH TLV:	10 mg/m ³ as Mo	
OSHA PEL:	15 mg/m ³ as Mo	Trade Secret
Inorganic Antimony Compound (CAS #1309-6404)		
ACGIH TLV:	.5 mg/m ³ as Sb	
OSHA PEL:	.5 mg/m ³ as Sb	< 10%
CAS #78-93-3 Solvent:		
ACGIH TLV:	200 ppm	
OSHA PEL:	200 ppm	< 10%
CAS 1330-20-7 Solvent:		
ACGIH TLV:	100 ppm	
OSHA PEL:	100 ppm	< 10%
CAS #64-17-5 Solvent:		
ACGIH TLV:	1000 ppm	
OSHA PEL:	1000 ppm	Trade Secret
CAS #108-88-3 Solvent:		
ACGIH TLV:	100 ppm	
OSHA PEL:	200 ppm	40 - 50%
CAS #71-36-3 Solvent:		
ACGIH TLV:	50 ppm	
OSHA PEL:	100 ppm	< 10%
CAS #67-63-0 Solvent:		
ACGIH TLV:	400 ppm	
OSHA PEL:	400 ppm	Trade Secret
CAS #108-10-1 Solvent:		
ACGIH TLV:	50 ppm	
OSHA PEL:	100 ppm	< 10%
CAS #111-15-9 Solvent:		
ACGIH TLV:	5 ppm (skin)	
OSHA PEL:	100 ppm (skin)	Trade Secret

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Not available.
Density (lb/gal): 7.5
Vapor Pressure (mm Hg.): Not available.
Melting Point: Not available.
Vapor Density (AIR=1): Not available.
Evaporation Rate: Not available.
(Butyl Acetate = 1)
Solubility in Water: Slight
Appearance and Odor: Gray/black liquid, organic solvent odor.
Volatile Organic Compound -
VOC (grams/liter): 802

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 51°F (T.C.C.)
Flammable Limits:
LEL - Not determined for product.
UEL - Not determined for product.
Extinguishing Media:
CO₂, Foam, Dry Chemical, or Halon
Special Fire Fighting Procedures:
Wear self-contained breathing apparatus. Do not extinguish with water.
Unusual Fire and Explosion Hazards:
None

SECTION V - REACTIVITY

Stability: Stable
Conditions to Avoid: Open Flame
Incompatibility (Materials to Avoid):
Strong oxidizing agents.
Hazardous Decomposition or Byproducts:
Irritating and/or toxic fumes including Carbon, Sulfur,
and Antimony Compounds may be released.
Hazardous Polymerization:
None
Conditions to Avoid:
None

SECTION VI - HEALTH HAZARD DATATHRESHOLD LIMIT VALUE:

Not determined for product, see Section II.

Route(s) of Entry:

Inhalation? Yes
Skin? Yes
Ingestion? Yes

TOXICITY:

Molybdenum compounds may be slightly irritating.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

Antimony compounds in tests with lab animals has been reported to cause benign and malignant lung tumors upon inhalation above the TLV.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

CAS #78-93-3 Solvent is an eye and skin irritant, affects the nervous system, and is a teratogen in lab animals.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

CAS #1330-20-7 Solvent is a moderate skin irritant in rabbits and severe eye irritant.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

CAS #64-17-5 Solvent is a mild irritant to rabbit skin and a severe eye irritant. CAS # 64-17-5 Solvent is reported to cause teratogenicity, CNS depression, gastrointestinal distress from oral consumption by humans. No toxicity is reported from inhalation below the TWA.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

CAS #108-88-3 Solvent is suggested to cause liver abnormalities in humans. Tests in lab animals exposed to CAS #108-88-3 Solvent show liver abnormalities, kidney damage, lung damage, lung damage, and spleen damage.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

CAS #71-36-3 Solvent is an eye and skin irritant and has an oral (rat) LD₅₀ of 790 mg/kg.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

CAS #67-63-0 Solvent oral LD₅₀ (rat) is 5840 mg/kg and is irritating to the eyes, nose, and throat.

CARCINOGENICITY: NPT-NO IARC-YES OSHA-NO

CAS #108-10-1 solvent is irritating to the eyes and mucous membranes. It is narcotic in high concentrations above the TWA. The oral LD₅₀ (rat) is 2080 mg/kg and inhalation LC₅₀ (rat) is 4000 ppm/15 min.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

CAS #111-15-9 solvent is a mild eye and skin irritant. The oral LD₅₀ (rat) is 2900 mg/kg and the inhalation LC₅₀ (rat) is 1500 ppm/8 hours. Adverse reproductive effects and male infertility have been observed in laboratory animals at levels below the OSHA TWA.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

HEALTH HAZARDS (ACUTE AND CHRONIC):

Eyes - can cause irritation, redness, blurred vision.
Skin - prolonged contact can cause irritation, dermatitis.
Inhalation - can cause irritation, dizziness, nausea, fatigue, headache and unconsciousness or asphyxiation.
Ingestion - can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

EMERGENCY AND FIRST AID PROCEDURES:

Skin - wash with soap and water.
Eyes - flush with copious amounts of water, get medical attention.
Inhalation - remove to fresh air. If breathing is impaired, get medical attention.
Ingestion - Do not induce vomiting, keep warm, get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USESteps To Be Taken in Case Material is Released or Spilled:

Clean spill with absorbent material.
Eliminate ignition sources.
Wear gloves, goggles, and gas mask if TWA'S are exceeded.

Waste Disposal Method:

Dispose of waste in a chemical landfill as approved by current local, state, and federal laws and regulations.

Precautions to be Taken in Handling and Storing:

Protect from physical damage. Store in a cool, dry, ventilated area away from acids, alkalis and open flames.

Other Precautions:

None

SECTION VIII - CONTROL MEASURES

Respiratory Protection:

Use NIOSH approved organic respirator if TWA/TLV limits are exceeded.

Ventilation:

Local Exhaust -

Use to maintain levels below TWA limits.

Mechanical -

Use non-sparking equipment.

Special:

None

Other:

None

Protective Gloves:

Chemical Resistant Gloves

Eye Protection:

Wear safety glasses or goggles.

Other Protective Equipment or Practices:

None

INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSE OF COMPLIANCE WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29CRF 1910.1200 AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.

(SIMILAR TO OSHA FORM 174)
